

In the Claims :

Please add the following claims to the pending patent application:

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25. A method for coupling a transceiver to an electric power line, wherein the electric power line has a center conductor that carries a first alternating current electrical voltage and a concentric outer conductor having an insulative cover, wherein the concentric outer conductor carries a data signal, the method comprising:

inducing a second voltage from the center conductor to provide power to the transceiver; and

communicating the data signal from the outer conductor to the transceiver.

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26. The method of claim 25, wherein the data signal is provided to the concentric outer conductor at a point of presence.

27. The method of claim 25, further comprising removing a portion of the insulative cover to permit access to the concentric outer conductor.

28. The method of claim 27, wherein the removed portion of the insulative cover is removed from the periphery of the insulative conductor.

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29. The method of claim 25, wherein the transceiver receives the data signal from and provides the data signal to a customer premise device.

30. The method of claim 29, wherein the customer premise device is at least one of the following: a computer, a telephone, and a facsimile machine.

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31. The method of claim 25, wherein the transceiver communicates the data signal with the outer conductor using fiber optic techniques.

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32. The method of claim 25, wherein the transceiver converts the second voltage to a direct current voltage.
33. The method of claim 25, wherein the first alternating current voltage operates in the range of 120 volts to 15 kilovolts.
34. The method of claim 25, wherein the inducing is accomplished using a ferrite core.
35. A system for communicating a data signal on an electric power line, comprising:
an electric power line having a center conductor that carries a first alternating current electrical voltage and having a concentric outer conductor that carries the data signal; and
a transceiver in communication with the electric power line, wherein the transceiver communicates the data signal with the concentric outer conductor, and wherein the transceiver receives electrical power from the center conductor.
36. The system of claim 35, wherein the center conductor induces a second voltage that is received by the transceiver.
37. The system of claim 36, wherein the transceiver converts the second voltage to a direct current voltage.
38. The system of claim 35, wherein the data signal is provided to the concentric outer conductor at a point of presence.
39. The system of claim 35, wherein the concentric conductor has an insulative cover, a portion of which is removed.
40. The system of claim 39, wherein the removed portion of the insulative cover is removed from the periphery of the insulative conductor.